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ABSTRACT

This monograph is a computer printout which presents a summary of a study in which distance theory was applied to World Event Interaction Survey (WEIS) conflict data to determine how conflict and cooperation flow in international relations systems. The specific focus of the study was on cooperative political, economic, cultural, and commercial interactions among 128 nations. Distance theory is an analytical approach to the study of international relations which implies that systems (nations, organizations, etc.) can be located in a multidimensional field and compared to other systems with regard to interaction and value variables. The comparison is measured in terms of distance above or below a given system with regard to scores on the same variables. In this study, distance theory was applied to a single index--the World Event Interaction Survey (WEIS) conflict data, which was created using the "New York Times" as a data source. Variables of particular interest were economic development, political stability, population density, duration of national independence, military power, power base, and health conditions. Models were created for all 128 states. Although there were marked differences among models with regard to economic, political, and cultural variables, findings indicated that some general statements could be made on the basis of additional statistical analysis. General conclusions included that (1) states that export conflict to states distant from them on the power base variable tend to be underdeveloped and small and to experience a high degree of domestic violence: (2) a high power base predicts high conflict exportation: and (3) lower economic development seems to reduce the tendency to export high conflict to other nations. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.
DISTANCE THEORY, RESULTS FOR COOPERATION, 1960-69, AN INVENTORY OF FINDINGS

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PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD-OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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NOTE: ALL MONOGRAPHS ON TAPE ARE SET UP TO PRINT ON A UNIVAC DOCUMENT PROCESSOR. SPECIAL PROGRAMS TO ASSIST IN PRINTING ON A DECWRITER II FOR UPPER AND LOWER CASE, DOUBLE SPACE, LENGTH ADJUSTED FOR THE DECWRITER AND WITH FOOTNOTE CAPABILITY, ARE CONTAINED IN MONOGRAPH 26. TABLES OR FIGURES THAT GO BEYOND 80 COLUMNS MAY BE FOLDED IF THE DOCUMENT PROCESSOR IS USED. IF THIS IS UNDESIRABLE, THEY CAN BE PRINTED BY OTHER STANDARD PRINT COMMANDS, SUCH AS AN EDITOR PROGRAM, WHICH CAN PRINT, WITHOUT FOLDING, TO 132 COLUMNS. ALSO, DOCUMENT COMMANDS ARE INVISIBLE IN THE COPY ONLY IF THE DOCUMENT PROCESSOR IS USED. IF OTHER PRINT COMMANDS ARE USED, THE DOCUMENT COMMANDS WILL BE VISIBLE, I.E., WILL APPEAR AS >DOUBLE>, >SPACE>, ETC. AND ARE LEFT JUSTIFIED. IF THEY ARE NOT NEEDED, THEY CAN BE IGNORED OR EDITED OUT. ALL MONOGRAPHS ARE IN MIXED UPPER AND LOWER CASE, EXCEPT MONOGRAPHS 19 AND 26, WHICH ARE IN UPPER CASE ONLY.

Attributes and National Behavior:

Modern International Relations Monograph Series

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DISTANCE THEORY: AN INVENTORY OF SIGNIFICANT FINDINGS FOR CONFLICT

IN >SOME EMPIRICAL FINDINGS ON NATIONS...> RUMMEL (1969,E) PRESENTED, IN SUMMARY FORM, THE MAJOR FINDINGS OF THE DON PROJECT AND, IN PARTICULAR, THOSE FOR SOCIAL FIELD THEORY.

THE PURPOSE HERE IS SIMILAR. A SUMMARY WILL BE GIVEN OF THE RESULTS FOR DISTANCE THEORY (VINCENT,1973,A), USING WEIS CONFLICT DATA.

DISTANCE THEORY HAS ITS ROOTS IN SOCIAL FIELD THEORY WHICH, IN TURN, WAS STIMULATED PRIMARILY BY THE WORK OF QUINCEY WRIGHT. WRIGHT (1955) ARGUED THAT STATES CAN BE LOCATED IN >FIELDS>, CONSISTING, BASICALLY, OF EACH STATES' RELATIVE POSITION ON ATTRIBUTE VARIABLES, AND THAT SUCH VARIABLES CAN BE EVALUATED IN TERMS OF THEIR POSSIBLE CONTRIBUTIONS TO PEACE AND WAR.

> THE ANALYTICAL APPROACH TO THE STUDY OF INTERNATIONAL RELATIONS ... IMPLIES THAT EACH INTERNATIONAL ORGANIZATION, NATIONAL GOVERMENT, ASSOCIATION, INDIVIDUAL, OR OTHER >SYSTEM OF ACTION>, OR >DECISION MAKER> MAY BE LOCATED IN A MULTIDIMENSIONAL FIELD ...A DOZEN FACTORS ARE POSTULATED AND RELATIONS AMONG THEM SUGGESTED ... IN THE HOPE THAT EVENTUALLY MEASUREMENT OF THESE FACTORS MAY PERMIT ...

CORRELATIONS TO DETERMINE THE DEGREE OF THEIR SUFFICIENCY, REDUNDANCY, AND APPLICABILITY. (WRIGHT,1955:543-546)

FOLLOWING THIS BASIC FRAMEWORK WRIGHT CREATED THREE CAPABILITY AND THREE VALUE FIELDS AND PREDICTED LIKELY OUTCOMES FOR VARIOUS ATTRIBUTE LOCATIONS FOR STATES IN THESE FIELDS. THE ASSIGNED LOCATIONS, HOWEVER, WERE IN MANY CASES SUBJECTIVE. ALSO THE PREDICTED LIKELY OUTCOMES, SUCH AS A STATE >SATISFACTION>, DUE TO A PARTICULAR LOCATION ON THE ATTRIBUTE VARIABLES IN A FIELD, WERE NOT OPERATIONALY DEFINED.

RUMMEL FIRST PROVIDED A WAY OF OPERATIONALIZING A VERSION OF WRIGHT'S IDEAS IN A MATHEMATICAL FORM, ALONG WITH AXIOMS, AND CALLED IT SOCIAL FIELD THEORY. IT MAY BE SUMMARIZED AS FOLLOWS:

FORMULA OF SOCIAL FIELD THEORY:

$S=TN$,

WHERE S=DYAD BY BEHAVIOR VECTOR OR VECTORS(IE.,ONE STATE SENDS BEHAVIOR TO J'S, THAT IS, TO THE REMAINING STATES IN THE SYSTEM ON ONE OR MORE VARIABLES)

T=DYAD BY ALGEBRAIC DISTANCE MATRIX OF FACTOR SCORES OF A-SPACE(OBTAINED BY SUBTRACTING THE FACTOR SCORES OF THE J'S FROM I ON EACH OF THE DIMENSIONS OF ATTRIBUTE SPACE, OBTAINED BY FACTOR ANALYZING THE ATTRIBUTE VARIABLES)

AND N=A LEAST SQUARES SOLUTION OF VECTOR PARAMETER WEIGHTS.

AXIOMS OF SOCIAL FIELD THEORY:

1. INTERNATIONAL RELATIONS IS A FIELD CONSISTING OF ALL THE ATTRIBUTES AND INTERACTIONS OF NATIONS AND THEIR COMPLEX INTERRELATIONSHIPS.
2. THE INTERNATIONAL RELATIONS FIELD CAN BE ANALYTICALLY DIVIDED INTO ATTRIBUTE, A, AND BEHAVIOR, B, SPACES INTO WHICH ATTRIBUTES AND INTERACTIONS ARE PROJECTED, RESPECTIVELY, AS VECTORS.
3. THE ATTRIBUTE AND BEHAVIORAL SPACES ARE GENERATED BY A FINITE SET OF LINEARLY INDEPENDENT DIMENSIONS.
4. NATIONS ARE LOCATED AS VECTORS IN ATTRIBUTE SPACE AND COUPLED INTO DYADS IN BEHAVIOR SPACE.
5. THE DISTANCE VECTORS IN A-SPACE THAT CONNECT NATIONS ARE SOCIAL FORCES DETERMINING LOCATION OF DYADS IN B-SPACE.
6. THE DIRECTION AND VELOCITY OF MOVEMENT OVER TIME OF A DYAD IN B-SPACE IS ALONG THE RESOLUTION VECTOR OF THE FORCES, D.
7. B-SPACE IS A SUBSPACE OF A-SPACE.(RUMMEL,1969,A:10-17)

RUMMEL'S EFFORTS, VIEWED AS A NEW INVENTION, OF COURSE, HAVE ENGENDERED CONSIDERABLE DEBATE, DISCUSSION AND CRITICISM (HILTON, 1970; VINCENT, 1972,B, 1975; PHILLIPS, 1974; ZINNES, 1976). ALTHOUGH THE DUST HAS NOT YET SETILED, CONCERNING SOCIAL FIELD THEORY, IT MAY BE POSSIBLE TO ACCEPT PHILLIPS JUDGEMENT ON IT AS THEORY. PHILLIPS (1974) RELIES UPON KARL POPPER TO MAKE HIS CASE:

1. WE MAY LOOK AT THE INTERNAL CONSISTENCY OF THE STATEMENTS. CONTRADICTIONS ARE NOT ACCEPTABLE.

2. WE MAY INVESTIGATE THE LOGICAL FORM OF THE STATEMENTS TO DETERMINE WHETHER THEY ARE EMPIRICAL OR TAUTOLOGOUS.

3. WE MAY COMPARE THE THEORY WITH OTHER THEORIES TO SEE IF IT IS IN SOME SENSE AN ADVANCE OVER CURRENT THEORIES.

4. WE MAY TEST THE THEORY BY WAY OF EMPIRICAL APPLICATION OF THE CONCLUSIONS THAT CAN BE DERIVED.
(PHILLIPS, 1974: 168)

EXAMINING SOCIAL FIELD THEORY IN SUCH TERMS, PHILLIPS CONCLUDES:

WHEN EVALUATING THE FIELD THEORY BY THE FOUR CRITERIA ...IT APPEARS TO CONTAIN EMPIRICAL ASSERTIONS THAT ARE NOT TAUTOLOGIES, TO BE INTERNALLY CONSISTENT, AND TO LACK EMPIRICAL FALSIFICATION. IN COMPARISON WITH OTHER THEORIES IT WOULD APPEAR TO EMPHASIZE A NEW POINT: THAT IT IS THE DIFFERENCES AND SIMILARITIES BETWEEN NATIONS WHICH ARE THE FORCES LEADING TO CONFLICT AND COOPERATION. ONE COULD CERTAINLY ARGUE THAT THE SHIFT FROM THINKING ABOUT NATIONAL ATTRIBUTES AS ABSOLUTE CONCEPTS TO CONSIDERING THEM AS RELATIONAL FORCES, IS A POTENTIAL THEORETICAL ADVANCE IN THE SENSE THAT IT IS A NEW MODE OF THINKING. (PHILLIPS, 1974: 172)

IN HIS FINAL CONCLUDING COMMENTS, PHILLIPS STATES, >...THIS

ARTICLE HAS ATTEMPTED TO SHOW THAT THEORY CERTAINLY DOES EXIST. IT IS TIME THAT WE TURN FROM THE DEBATE AS TO WHETHER THEORY EXISTS TO THE CRITICAL ASSESSMENT OF UTILITIES OF THE PRESENT THEORIES.> (PHILLIPS, 1974: 188) OBVIOUSLY, THE AUTHOR OF THIS PAPER AGREES WITH PHILLIPS, CONCERNING THE THEORETICAL VALUE OF SUCH FRAMEWORKS.

DISTANCE THEORY EMERGED, IN PART, FROM A CRITICISM OF SOME OF THE MATHEMATICAL IMPLICATIONS OF RUMMEL'S WAY OF MEASURING DISTANCE (VINCENT, 1972,B). TO MEASURE DISTANCE BETWEEN NATIONS, RUMMEL FIRST COMPUTES FACTOR SCORES FOR THE NATIONS ON THE FACTOR DIMENSIONS OF A-SPACE(ATTRIBUTE SPACE). DISTANCE IS THEN DEFINED BY ALGEBRAIC SUBTRACTION OF THE FACTOR SCORES. FOR ANY PARTICULAR NATION, IT IS POSSIBLE TO DETERMINE WHETHER ANOTHER NATION IS ABOVE (EXPRESSED AS A NEGATIVE DISTANCE) OR BELOW (EXPRESSED AS A POSITIVE DISTANCE) AS WELL AS DETERMINE THE >MAGNITUDE> OF THE DISTANCE. HOWEVER, THIS PARTICULAR WAY OF MEASURING DISTANCE HAS CERTAIN IMPLICATIONS, FOR CORRELATIONAL ANALYSIS, THAT MAY NOT, AT FIRST GLANCE, BE OBVIOUS. IF SUCH A MEASURE OF DISTANCE IS CORRELATED WITH A BEHAVIORAL MEASURE, SAY IN RESPECT TO CONFLICT, AND THE CORRELATION IS POSITIVE, WE WOULD OBTAIN THE FOLLOWING RESULTS:

FIGURE 1.

EXAMINATION OF FIGURE 1 INDICATES THAT A J NO DISTANCE FROM I,

USING THE ALGEBRIC MEASURE, IS PREDICTED, UNDER THE CONDITION OF POSITIVE PERFECT FIT, TO HAVE AVERAGE CONFLICT WITH I. THE J MOST DEVIANT, ABOVE I, IS PREDICTED TO HAVE THE LEAST CONFLICT WITH I AND THE J MOST DEVIANT BELOW I, THE MOST. THIS RESULT WILL OCCUR AS LONG AS SOME ACTORS ARE ABOVE I AND OTHER ACTORS ARE BELOW I (WITH A STANDARDIZED MEASURE). THE QUESTION CAN BE ASKED, >WHY SHOULD AN ACTOR NO DIFFERENT FROM ANOTHER BE PREDICTED TO HAVE AVERAGE CONFLICT IF DISTANCE IS SUPPOSED TO BE A PREDICTOR OF CONFLICT AND/OR COOPERATION ?

AN ABSOLUTE MEASURE OF DISTANCE(USED IN DISTANCE THEORY)PROVIDES A SCALE THAT ALLOWS DISTANCE, AS A GENERAL NOTION, TO CONTRIBUTE EITHER ONE WAY OR THE OTHER TO CONFLICT OR COOPERATION. USING THE FORMULA /I-J/ TO COMPUTE THE DISTANCES, WE GET, IN CONTRAST TO FIGURE 1:

FIGURE 2.

IN TERMS OF THE ABOVE FIGURE, IT CAN BE SEEN, IF THE PARAMETER WEIGHT IS POSITIVE, WE EXPECT LITTLE CONFLICT FOR J'S LIKE I, AND MUCH CONFLICT FOR J'S DISTANT FROM I, WHILE, IF THE SIGN IS NEGATIVE, WE EXPECT MUCH CONFLICT FOR J'S CLOSE TO I AND LITTLE FOR J'S DISTANT FROM I. IN OTHER WORDS, THE ROLE OF DISTANCE (AS A GENERAL NON-DIRECTIONAL CONCEPT) IS CAPTURED BY THIS MEASURE. POSITIVE CORRELATIONS WITH THE CONFLICT SCALE INDICATE >THE MORE DISTANCE THE MORE CONFLICT,> WHILE NEGATIVE CORRELATIONS INDICATE

>THE LESS DISTANCE THE MORE CONFLICT.> THE REVERSAL OF CONFLICT EXPECTATIONS, DEPENDING ON WHETHER J IS ABOVE OR BELOW I, IS ELIMINATED WITH THIS MEASURE AND THE COUNTER-INTUITIVE NOTION THAT NO DISTANCE SHOULD PREDICT AVERAGE CONFLICT AND/OR COOPERATION IS ELIMINATED. WITH THE ABSOLUTE MEASURE, A J NO DISTANCE FROM I WILL BE PREDICTED TO HAVE EITHER THE MOST OR THE LEAST CONFLICT OR COOPERATION, BUT NEVER AVERAGE CONFLICT OR COOPERATION.

. FIGURE 3 DEPICTS THE BASIC MODEL OF DISTANCE THEORY.

FIGURE 3.

IT CAN BE SEEN THAT THE DYADIC FACTOR SCORES OF D-SPACE ARE VERY DIFFERENT FROM THE DISTANCES OF SOCIAL FIELD THEORY. SOCIAL FIELD THEORY COMPUTES ALGEBRAIC DISTANCES ON A-SPACE FACTOR DIMENSIONS WHILE DISTANCE THEORY CREATES FACTOR DIMENSIONS OUT OF ABSOLUTE DISTANCES, COMPUTED FROM ORIGINAL VARIABLES. THE PREDICTORS OF SOCIAL FIELD THEORY ARE ALGEBRAIC DISTANCES, WHILE THE PREDICTORS OF DISTANCE THEORY ARE DYADIC FACTOR SCORES, INDICATING LOCATION IN D-SPACE.

TO ILLUSTRATE, ASSUME THAT PER CAPITA GNP AND RADIOS PER 1000 POPULATION LOADED POSITIVELY AND HEAVILY ON A DIMENSION CALLED ECONOMIC DEVELOPMENT DISTANCE. THIS WOULD INDICATE THAT DYADS WITH HIGH FACTOR SCORES TEND TO HAVE LARGE ABSOLUTE DISTANCES ON THESE VARIABLES AND DYADS WITH SMALL FACTOR SCORES, LITTLE ABSOLUTE DISTANCE. IF THE PARAMETER WEIGHT ON ECONOMIC

DEVELOPMENT DISTANCE WAS POSITIVE IN EXPLAINING SOME CONFLICT DIMENSION, SAY, THREATS, THIS WOULD INDICATE THAT THE MORE ECONOMIC DEVELOPMENT DISTANCE BETWEEN I AND J, THE MORE LIKELY I EXPORTS THREATS TO J, AND, THE LESS DISTANCE BETWEEN I AND J IN RESPECT TO THEIR ECONOMIC DEVELOPMENT DISTANCE, THE LESS LIKELY I EXPORTS THREATS TO J. A SMILIAR INTERPRETATION WOULD PERTAIN TO ALL OF THE D- AND B-SPACE VARIABLES.

BASICALLY, THEN, DISTANCE THEORY IS A DISSIMILARITY MODEL RATHER THAN A DIRECTED DISSIMILARITY MODEL, AS IN THE CASE OF SOCIAL FIELD THEORY. IN DISTANCE THEORY EVERY DEVIATION OF ACTOR >J,> IN RESPECT TO HIS ATTRIBUTES, FROM ACTOR >I> CONTRIBUTES TO THE ABSOLUTE DISTANCE BETWEEN THEM. THE LOCATION OF EVERY ACTOR TO EVERY OTHER ACTOR, IN THIS ABSOLUTE SENSE, IS THEN SUMMARIZED, IN D-SPACE, THROUGH THE CALCULATION OF DYADIC FACTOR SCORES DERIVED FROM THE FACTOR ANALYSIS OF ABSOLUTE DISTANCES. THUS, THE PURPOSE OF DISTANCE THEORY IS TO PROVIDE A SET OF GUIDELINES FOR DETERMINING THE RELATIONSHIP OF ABSOLUTE ATTRIBUTE DISTANCE BETWEEN STATES TO INTERNATIONAL BEHAVIOR. THE BASIC FORMULA AND ASSUMPTIONS MAY BE SUMMARIZED AS:

FORMULA OF DISTANCE THEORY:

C=Dw WHERE C=DYAD BY BEHAVIOR VECTOR OR VECTORS D=DYAD BY FACTOR SCORES MATRIX OF D-SPACE AND W=A LEAST SQUARES SOLUTION OF VECTOR PARAMETER WEIGHTS.

ASSUMPTIONS OF DISTANCE THEORY:

1. THE INTERNATIONAL RELATIONS SYSTEM CAN BE DESCRIBED FOR PREDICTIVE PURPOSES AS A COLLECTION OF VARIABLES.
2. THE COLLECTION OF VARIABLES CAN BE DIVIDED INTO TWO INFINITE SUBSETS: ONE, A-SPACE, RELATES TO THE ATTRIBUTES OF NATIONS, AND THE OTHER, B-SPACE, RELATES TO THE DYADIC BEHAVIOR (I TO J).
3. THE DISTANCE OF ONE NATION TO ANOTHER ON EACH OF THE VARIABLES OF A-SPACE CAN BE ASCERTAINED BY COMPUTING THE ABSOLUTE DIFFERENCE OF THEIR Z-SCORES /(I-J)/ TO CREATE D-SPACE.
4. AN APPROXIMATE BASIS OF DISTANCE SPACE (D-SPACE) AND B-SPACE CAN BE COMPUTED BY FACTOR ANALYZING, SEPARATELY, A LARGE SAMPLE OF VARIABLES IN EACH SPACE.
5. COLLECTIVELY, THE FACTOR SCORES OF D-SPACE CAN ACCOUNT FOR A SIGNIFICANT PORTION OF THE VARIANCE OF THE DYADIC FACTOR SCORES OF B-SPACE(VINCENT,FORTHCOMING,B).

WHEN TESTING DISTANCE THEORY ON A SINGLE INDEX, AS IN THE CASE OF THE APPLICATION GIVEN HERE, THE CANONICAL MODEL NORMALLY USED IN TESTING (THAT IS, USED IN THE CASE OF SEVERAL BEHAVIORAL VECTORS), IF APPLIED, REDUCES MATHEMATICALLY TO THE MULTIPLE REGRESSION MODEL. THUS, WHEN USING A SINGLE BEHAVIORAL INDEX, INSTEAD OF SEVERAL CANONICAL CORRELATIONS TO INTERPRET, FOR EACH

DYADIC SUB-SET, ONLY ONE SET OF PARAMETER WEIGHTS ARE EVALUATED FOR EACH DYADIC SUBSET.

THE DECISION TO USE A SINGLE INDEX IS RELATED TO THE NATURE OF THE WEIS(MCCLELLAND,1972) DATA USED TO REPRESENT INTERNATIONAL BEHAVIOR. BECAUSE MANY VARIABLES IN THE WEIS COLLECTION ARE BADLY SKEWED, THAT IS, MANY STATES RECEIVED A SCORE OF ZERO, NON-ZERO DATA POINTS CAN BE REDUCED BY AGGREGATING ACROSS THE WEIS CATEGORIES. FOR THIS PROJECT, IT WAS DONE FOR A THREE YEAR PERIOD (1966-1969) FOR THE FOLLOWING CATEGORIES:

TABLE 1.

THE WEIGHTS BESIDE EACH OF THE VARIABLES WERE OBTAINED BY HAVING 30 JUDGES WEIGHT THE CATEGORIES IN TERMS OF THEIR INTENSITY. THE INTENSITY WEIGHTS WERE THEN USED TO SUM THE VARIABLES. THE RESULTING DYADIC MATRIX (16,256 X 1) OBVIOUSLY CANNOT BE PRESENTED, BUT A SUMMARY TOTAL INDEX CAN, WHICH SHOULD PROVIDE A >FEELING> FOR THE DATA BASE.

TABLE 2.

THE ABOVE DECISION TO USE THE WEIS DATA BANK MY RAISE SOME EYEBROWS BECAUSE OF THE CONCERN THAT HAS DEVELOPED ABOUT THE COLLECTION REGARDING POSSIBLE >AMERICAN BIAS,> AS A CONSEQUENCE OF

USING THE NEW YORK TIMES AS A DATA SOURCE. IT HAS BEEN SHOWN THAT OTHER DATA SOURCES DO VARY FROM THE NEW YORK TIMES IN NEWS COVERAGE (AZAR, 1975,B). IS IT, THEN, WORTHWHILE TO USE SUCH A SOURCE? PERHAPS MCCLELLAND HIMSELF PROVIDED THE BEST ANSWER TO THIS TYPE OF QUESTION.

> WE SHOULD EXPECT SOME MISTAKES, SOME DISTORTION, AND SOME ERRONEOUS SELECTION IN THE CONTEXT OF THE INTERNATIONAL NEWS. SOME ITEMS WILL REPORT EVENTS THAT NEVER HAPPEN. OTHERS WILL BE PRODUCTS OF GOVERNMENTAL MANIPULATION AND DECEPTION AND WILL HAVE MADE THEIR APPEARANCE ON THE RECORD BECAUSE THEY WERE >PLANTED> THERE. HOW BAD THESE DEFECTS ARE CAN BE ESTIMATED ONLY IN VERY GENERAL TERMS. SEVERAL POINTS CAN BE MADE IN SUPPORT OF THE GENERAL RELIABILITY OF THE NEWS:
>
> 1) THERE IS NO DOUBT THAT THE VOLUME, DETAIL, AND ACCURACY OF INTERNATIONAL NEWS REPORTING HAVE GREATLY INCREASED OVER THE PAST HALF CENTURY...
>
> 2) THE PROFESSIONALIZATION OF JOURNALISM AND THE MATURING OF NEWSGATHERING ORGANIZATIONS ARE IMPORTANT FORCES IN INCREASING THE EFFORT TOWARD ACCURACY.
>
> 3) MULITIPLE SOURCES AND CHANNELS OF INFORMATION PROVIDE SOME SAFEGUARD AGAINST THE SYSTEMATIC FALSIFICATIONS OF REPORTS. THE SOVEREIGNTY OF STATES AND THE DIVERSITY OF NATIONAL INTERESTS CONTRIBUTE SOME BENEFICIAL EFFECTS, GLOBALLY, AGAINST NEWS MANAGEMENT.
>
> 4) THE REAL SOURCE OF LARGE NUMBERS OF INTERNATIONAL NEWS

STORIES IS THE GOVERNMENT AGENCY. THE NEWS MEDIA ARE ESSENTIALLY, PIPELINES BETWEEN THE REGIME AND THE PUBLIC. ONE OF THE OLDEST MAXIMS OF STATECRAFT, STATED BY MACHIAVELLI AMONG OTHERS, IS THAT IT DOES NOT PAY TO LIE TO OFTEN.

5) >HARD NEWS> HAS A MORE STRAIGHTFORWARD STATUS THAN THE NEWS THA IS EXPLANATORY, INTERPRETIVE, SPECULATIVE, OR PREDICTIVE...(NOTE THAT THE LATTER TYPE OF DATA ARE NOT INCLUDED IN THE WEIS COLLECTION.)

6) ALTHOUGH THE PUBLIC RECORD OF INTERNATIONAL EVENTS IS DEFECTIVE BY ANY STRICT STANDARD, IT SERVES WELL ENOUGH FOR MANY KINDS OF ANALYSIS. IT IS TO BE ARGUED THAT PUBLIC REPORTING CAN BE USED MORE EFFECTIVELY FOR STATISTICAL EVALUATIONS THAN FOR THE PURPOSES OF HISTORICAL RECONSTRUCTION - ITS MOST COMMON USE. IT IS UNLIKELY THAT A FEW ERRONEOUS REPORTS WILL MAKE A BIG DIFFERENCE IN AN AGGREGATE OF SEVERAL HUNDRED ITEMS. (MCCLELLAND, 1968: 43 -48)

EVEN IF THE WEIS COLLECTION HAS AN >AMERICAN BIAS,> IT CAN BE REASONABLY ASSUMED THAT THE RESEARCH PROCEDURES USED, IF APPLIED TO OTHER DATA SETS, WOULD YIELD FINDINGS THAT WOULD CORRELATE WELL WITH THOSE GENERATED HERE, ALTHOUGH IT IS BEYOND THE PRESENT RESOURCES OF THIS RESEARCHER TO DEMONSTRATE THAT THIS IS THE CASE AT THIS TIME. THE PRINCIPAL PROBLEM IN THIS REGARD IS THAT OTHER MAJOR DATA SETS SUCH CREON (33 ACTOR-STATES) AND COPDAB (55 ACTOR-STATES) HAVE N'S THAT ARE MUCH SMALLER THAN THE N EMPLOYED IN THIS PROJECT SO THAT EXACT COMPARISON, AT THIS POINT IN TIME,

FOR THE 128 STATES USED IN THIS STUDY, IS NOT POSSIBLE.

IT IS ADMITTED THAT THE WEIS DATA IS, IN FACT, SOMEWHAT DISTORTED, BUT NOT SO MUCH SO THAT THE CORRELATIONS GENERATED THROUGH THE ANALYSES THAT FOLLOW WOULD HAVE REVERSED SIGNS IF THE DATA BANK, IN FACT, WERE NOT DISTORTED. THUS, IT IS ADMITTED THE PROJECT IS LOOKING AT THE WORLD THROUGH MIRRORS THAT ARE SOMEWHAT CONTORTED, LIKE THOSE IN A FUN HOUSE. NON-DISTORTED DATA CAN BE SYMBOLIZED BY >TRUE MIRRORS> WHILE THE WEIS (POSSIBLE) DISTORTION OF THE REAL WORLD CAN BE DEPICTED AS LIKE A >FUN HOUSE MIRROR.> IT IS ASSUMED THAT DISTORTION IS NOT SO PRONOUNCED THAT THE >REFLECTION> IS UNRECOGNIZABLE. IN SHORT, WE WOULD EXPECT A HIGHLY SIMILAR SET OF CORRELATIONS TO BE GENERATED, IF THE RESEARCH METHODS EMPLOYED IN THIS PROJECT, WERE APPLIED TO A COMPLETELY UNBIASED DATA SET, (WHICH HAS NOT YET BEEN CONSTRUCTED OR DEMONSTRATED TO EXIST).

IN PRESENTING THE FINDINGS IT IS NOT GOING TO BE POSSIBLE TO PRESENT ALL OF THE INTERMEDIATE STEPS SINCE, EVEN A FEW OF THEM WOULD CONSUME VIRTUALLY ALL AVAILABLE SPACE. IT IS POSSIBLE HOWEVER, TO TREAT BRIEFLY THE CONSTRUCTION OF A- AND D-SPACE.

A-SPACE IS GENERATED BY FACTOR ANALYZING ATTRIBUTE VARIABLES AND LOCATING THE STATES ON FACTOR DIMENSIONS, WHICH EMERGE, THROUGH THE CALCULATION OF FACTOR SCORES. THESE SCORES BECOME USEFUL IN INTERPRETING THE PARAMETER WEIGHTS THAT DEVELOP IN APPLYING DISTANCE THEORY. THE FACTORS GENERATED FROM ANALYZING 144

ATTRIBUTE VARIABLES WERE:

TABLE 3.

EACH FACTOR OF COURSE HAS NUMEROUS LOADINGS ON IT. FOR EXAMPLE, THE FIRST FACTOR GROUPS THE VARIABLES OF:

TABLE 4.

FULL DETAILS ON THE CONSTRUCTION OF A-SPACE CAN BE FOUND IN VINCENT (1976).

D-SPACE CONSTRUCTION UTILIZES THE SAME 144 VARIABLES BUT FACTOR ANALYZES A MATRIX OF ABSOLUTE DISTANCES COMPUTED ON THE ORIGINAL VARIABLES TO LOCATE DYADS RATHER THAN INDIVIDUAL NATIONS IN THE SPACE. THE FACTORS GENERATED WERE:

TABLE 5.

THE FIRST FACTOR CONTAINED THE FOLLOWING LOADINGS:

TABLE 6.

SINCE THE FIRST FACTOR IS A DISTANCE FACTOR, DYADS AT THE TOP OF THE FACTOR (WITH HIGH FACTOR SCORES) SUCH AS U.S.-CHAD, TEND TO DISTANT IN RESPECT TO THE GROUPED VARIABLES. DYADS AT THE BOTTON OF THE DIMENSION (WITH NEGATIVE SCORES), SUCH AS THE U.S.-U.S.S.R,

TEND TO BE SIMILAR IN RESPECT TO SUCH VARIABLES. ON A >CLOSENESS> DIMENSION, SUCH AS INTERNAL VIOLENCE CLOSENESS, DYADS WITH POSITIVE SCORES TEND TO BE SIMILAR ON THE GROUPED VARIABLES AND DYADS WITH NEGATIVE SCORES DISSIMILAR. FULL DETAILS FOR THE CONSTRUCTION OF D-SPACE MAY BE FOUND IN VINCENT (1976). D-SPACE, THEN, SUMMARIZES THE ABSOLUTE DISTANCE OF EACH STATE TO EVERY OTHER STATE OVER THE RANGE OF VARIABLES CONSIDERED.

IN TESTING DISTANCE THEORY THE MAJOR PURPOSE IS TO CORRELATE D-SPACE FACTOR SCORES WITH THE WEIS CONFLICT VECTOR. THIS MEANS THAT 128 SEPARATE CORRELATIONS MUST BE COMPUTED, SINCE 128 STATES (AND HENCE 128 DYADIC SUBSETS) WERE USED. THE MODELS GENERATED FOR EACH STATE MAY BE FOUND IN VINCENT (FORTHCOMING,B). THE EFFORT HERE IS TO GO BEYOND SIMPLY ASCERTAINING VARIOUS STATE MODELS. EACH MODEL, OF COURSE, TENDS TO BE DIFFERENT. FOR EXAMPLE, THE UNITED STATES HAS A WEIGHT OF -.32, THE U.S.S.R., -.49 AND KENYA, .53, ON THE FACTOR OF POWER BASE.

SUCH RESULTS INDICATE THAT SOME STATES HAVE LARGE POSITIVE WEIGHTS, SOME STATES MODERATE OR WEAK POSITIVE WEIGHTS, SOME STATES WEAK OR MODERATE NEGATIVE WEIGHTS AND SOME STATES LARGE NEGATIVE WEIGHTS. OUR MAJOR PURPOSE, IN THIS PAPER, IS TO BRING SOME ORDER OUT OF WHAT APPEARS, AT FIRST GLANCE, TO BE CHAOS. THIS WILL BE ACCOMPLISHED BY SPECIAL MODES OF ADDITIONAL ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A DISCRIMINANT FUNCTION ANALYSIS ON THE POSITIVE VERSUS THE NEGATIVE WEIGHT SUBJECTS, FOR

EACH OF THE FACTORS OF D-SPACE USING THE FACTORS OF A-SPACE AS DISCRIMINATORS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE MAGNITUDE OF THE WEIGHTS.

A BRIEF STATEMENT ON DISCRIMINANT FUNCTION ANALYSIS (HADLEY,1961) SEEMS TO BE IN ORDER. ITS PURPOSE IS TO DETERMINE, WHEN CONSIDERING TWO DIFFERENT NATION GROUPS, SCORED ON COMMON VARIABLES, WHICH OF THE VARIABLES BEST DISCRIMINATES BETWEEN THE NATION GROUPS. THIS IS DONE BY GIVING EACH GROUP MEMBER A DISCRIMINANT FUNCTION SCORE, WHICH IS A FUNCTION OF THE ORIGINAL VARIABLES WEIGHTED SO THAT THE MEAN OF THE DISCRIMINANT FUNCTION SCORES, FOR EACH GROUP, IS MAXIMALLY DIFFERENT. CORRELATIONS OF THE ORIGINAL VARIABLES WITH THE DISCRIMINANT FUNCTION SCORES INDICATES WHICH VARIABLES ARE THE BEST DISCRIMINATORS. FOR EXAMPLE, IF ECONOMIC DEVELOPMENT CORRELATED .60 WITH THE DISCRIMINANT FUNCTION SCORES OF A PARTICULAR ANALYSIS, SAY + WEIGHTS VS. - WEIGHTS IN RESPECT TO POWER BASE, THOSE WITH POSITIVE WEIGHTS, ON POWER, WOULD TEND TO BE DEVELOPED STATES AND THOSE WITH NEGATIVE WEIGHTS, UNDERDEVELOPED STATES.

A PRODUCT OF DISCRIMINANT FUNCTION ANALYSIS IS AN F-TEST OF THE MEANS OF THE TWO GROUPS CONSIDERED ON THE VARIABLES. IN THE ABOVE EXAMPLE, IF THE MEAN OF THE + POWER STATES IS COMPARED WITH THE MEAN OF THE - POWER STATES IN RESPECT TO ECONOMIC DEVELOPMENT, THE MEAN OF THE FORMER STATES MIGHT BE .35, INDICATING THAT THE + POWER GROUP IS ABOVE THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT, WHILE THE - POWER STATES MIGHT HAVE A SCORE OF -.12,

INDICATING THAT THE - POWER STATES ARE BELOW THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT. IF THE DIFFERENCE IS SIGNIFICANT, WE MAY CONCLUDE THAT THE + POWER STATES TEND TO BE DEVELOPED WHILE THE - POWER STATES TEND TO BE UNDERDEVELOPED.

EACH OF THE FINDINGS, WHICH FOLLOWS, IS BASED ON A SIGNIFICANCE LEVEL OF .05 OR LESS, AND COMPARES THE CHARACTERISTICS OF THOSE WITH - VERSUS + WEIGHTS THAT DEVELOPED WHEN DISCRIMINANT FUNCTION ANALYSIS (USING A-SPACE FACTORS AS THE DISCRIMINATORS)WAS APPLIED TO THE MODEL WEIGHTS GENERATED ON THE D-SPACE DIMENSIONS.

POSITIVE WEIGHTS WILL BE TREATED FIRST. FROM THE ABOVE DISCUSSION OF DISTANCE THEORY, IT IS APPARENT THAT A POSITIVE WEIGHT ON A D-SPACE DISTANCE DIMENSION INDICATES THAT >I> IS EXPORTING CONFLICT TO THOSE DISTANT FROM HIM, ON THE DIMENSION CONSIDERED, WHILE A NEGATIVE WEIGHT INDICATES THAT THOSE CLOSE TO I RECEIVE THE CONFLICT. ON A CLOSENESS DIMENSION HOWEVER, THE RELATIONSHIP IS REVERSED. A POSITIVE WEIGHT INDICATES THAT THOSE J'S THAT ARE CLOSE TO I WILL RECEIVE THE CONFLICT, WHILE A NEGATIVE WEIGHT INDICATES THAT THOSE THAT ARE DISTANT FROM I TEND TO RECEIVE THE CONFLICT. IN PRESENTING THE RESULTS OF THE POSITIVE WEIGHT ANALYSIS, THEN, WHENEVER THE PHRASE IS OBSERVED >J'S DISTANT' WE KNOW THAT WE ARE DEALING WITH A >DISTANCE DIMENSION> WHILE THE PHRASE >J'S CLOSE> INDICATES THAT WE ARE DEALING WITH A >CLOSENESS DIMENSION.> IN GENERAL WE ARE ATTEMPTING TO DETERMINE THE A-SPACE CHARACTERISTICS OF THOSE NATIONS WHICH RECEIVED POSITIVE WEIGHTS

ACROSS THE DIMENSIONS OF D-SPACE(IN APPLYING DISTANCE THEORY).

THE ANALYSIS GENERATED THE FOLLOWING INVENTORY OF FINDINGS.

(SEE: APPENDIX A, LIST 1).

THUS, THOSE THAT EXPORT CONFLICT TO THOSE DISTANT FROM THEM ON POWER BASE TEND TO BE UNDERDEVELOPED AND SMALL AND HAVE MUCH DOMESTIC VIOLENCE. THE POSITIVE WEIGHT NATION'S MEAN SCORES ON THE A-SPACE FACTORS ARE -.2261 ON ECONOMIC DEVELOPMENT, -.4451 FOR POWER AND -.3186 FOR LITTLE DOMESTIC VIOLENCE.

PERFORMING THE SAME ANALYSIS FOR NEGATIVE WEIGHT NATIONS, WE FIND:

(SEE: APPENDIX A, LIST 2).

IT CAN BE SEEN THAT THOSE THAT EXPORT CONFLICT TO THOSE CLOSE TO THEM IN RESPECT TO ECONOMIC DEVELOPMENT TEND TO BE DEVELOPED, POWERFUL AND HAVE LITTLE DOMESTIC VIOLENCE.

AS NOTED ABOVE, HOWEVER, THE TENDENCY TO EXPORT CONFLICT VARIES, IN THE SENSE THAT NOT ALL OF THE POSITIVE WEIGHT NATIONS HAVE THE SAME WEIGHT MAGNITUDES. IS THERE A PATTERN TO SUCH FLUCTUATIONS? IN THIS CASE THE QUESTION CAN BE ANSWERED BY COMPUTING THE CORRELATION BETWEEN THE A-SPACE FACTORS AND THE MAGNITUDE OF THE WEIGHTS. FOR POSITIVE WEIGHT SUBJECTS WE FIND:

(SEE: APPENDIX A, LIST 3).

THE TERM >MOST LIKELY> IS USED IN THE ABOVE STATEMENTS BECAUSE THIS ANALYSIS INDICATES THE ATTRIBUTES CHARACTERISTICS OF THOSE WITH THE LARGEST WEIGHTS. THUS, IN RESPECT TO POWER BASE, THOSE >MOST LIKELY> TO EXPORT CONFLICT DISTANT FROM THEM TEND TO HAVE THE CHARACTERISTICS OF FEW MILITARY PERSONNEL PER CAPITA.

FOR THE NEGATIVE WEIGHT SUBJECTS WE FIND:

(SEE: APPENDIX A, LIST 4).

EACH OF THESE FINDINGS MAY BE VIEWED AS HAVING POTENTIAL POLICY RELEVANCE. FOR EXAMPLE, EXAMINING THE FIRST SET OF FINDINGS IN LISTS 1 AND 2, WE WOULD EXPECT, MAKING A CAUSAL ASSUMPTION, THAT IF A NATION WERE TO SHIFT FROM HIGH DEVELOPMENT TO LOW DEVELOPMENT AND FROM HIGH POWER BASE TO LOW POWER BASE AND MOVE FROM A SITUATION OF LITTLE DOMESTIC TO MUCH DOMESTIC VIOLENCE, THEN, IT SHOULD TEND TEND TO SHIFT FROM A - TYPE EXPORTER ON POWER BASE (INDICATING HIGH EXPORTATION TO THOSE CLOSE ON POWER BASE) TO A + TYPE EXPORTER (INDICATING HIGH EXPORTATION TO THOSE DISTANT ON POWER BASE). IN ADDITION AS LONG AS A NATION REMAINED A - TYPE EXPORTER, WE WOULD ALSO EXPECT THAT DECREASES IN THE MAGNITUDE OF ECONOMIC DEVELOPMENT, POWER BASE AND ENERGY PRODUCTION WOULD TEND TO REDUCE THE MAGNITUDE OF THE - WEIGHT ON POWER BASE (AS SUGGESTED BY THE CORRELATIONAL ANALYSIS FOR NEGATIVE WEIGHTS, GIVEN IN LIST 4). OBVIOUSLY SPACE DOES NOT PERMIT A RESTATEMENT OF EACH INVENTORY FINDING IN SUCH TERMS, BUT EACH CAN BE SO INTERPRETED, IF ONE IS PREPARED TO MAKE A CAUSAL ASSUMPTION,

RECOGNIZING THAT SOME ATTRIBUTES ARE, IN FACT, NOT LIKELY TO CHANGE.

IT IS ALSO POSSIBLE TO ANALYSE THE RELATIVE POWER AND DIRECTION OF THE A-SPACE DISCRIMINATORS ACROSS THE D-SPACE DIMENSIONS. THIS CAN BE DONE BY INDICATING THE FREQUENCIES, OF SIGNIFICANT DISCRIMINATION FOR EACH A-SPACE FACTOR, AND WHETHER HIGH SCORES (H IN THE TABLE BELOW = SAME AS FACTOR NAME) OR LOW SCORES (L IN THE TABLE BELOW = OPPOSITE OF FACTOR NAME) INDICATE LIKELY CONFLICT EXPORTATION.

ANALYZING THE SITUATION OF CLOSENESS FIRST (WHEN I'S EXPORT TO J'S CLOSE TO THEM IN RESPECT TO THEIR ATTRIBUTES) WE OBTAIN

TABLE 7.

THE MAJOR DISCRIMINATORS, THEN, TEND TO BE ECONOMIC DEVELOPMENT POPULATION GROWTH RATE, DOMESTIC VIOLENCE, HEALTH EXPENDITURES, ENERGY PRODUCTION AND EXECUTIVE ADJUSTMENTS. FOR EXAMPLE, ECONOMIC DEVELOPMENT DISCRIMINATED 9 TIMES (9 H'S AND L'S), WITH EVERY H INDICATING HIGH DEVELOPMENT PREDICTING HIGH CONFLICT EXPORTATION (IN THE CASE OF CLOSENESS TO I'S ATTRIBUTES) AND EVERY L INDICATING LOW DEVELOPMENT PREDICTING HIGH EXPORTATION. TO ILLUSTRATE, USING THE INVENTORY (LIST 2), WE SEE THAT HIGH ECONOMIC DEVELOPMENT PREDICTED HIGH CONFLICT EXPORTATION IN RESPECT TO CLOSENESS ON ECONOMIC DEVELOPMENTAND POWER BASE BUT LOW ECONOMIC DEVELOPMENT PREDICTED HIGH EXPORTATION IN RESPECT TO

CLOSENESS ON RELIGION ETC. THUS, HIGH DEVELOPMENT DOES NOT PREDICT HIGH CONFLICT IN THE CASE OF CLOSENESS FOR ALL ATTRIBUTES BUT ONLY FOR THE FIVE D-SPACE FACTORS IDENTIFIED ABOVE IN THE INVENTORY, SUCH AS POWER BASE. LOW DEVELOPMENT PREDICTED HIGH CONFLICT, IN THE CASE OF CLOSENESS, IN THE REMAINING CASES.

IT IS INTERESTING TO NOTE THAT THE LARGEST >PURE> (ONE DIRECTION ONLY) DISCRIMINATOR IS POWER. HIGH POWER BASE, IN EACH CASE, PREDICTS HIGH CONFLICT EXPORTATION, IN THE CASE OF CLOSENESS ON THE FIVE ATTRIBUTE DIMENSIONS WHERE A SIGNIFICANT DISCRIMINATION OCCURED.

THE DISTANCE (AS OPPOSSED TO CLOSENESS) FINDINGS, OF COURSE, DO NOT HAVE TO BE ANALYZED, IN SUCH TERMS, SINCE SUCH AN ANALYSIS WILL PRODUCE MIRROR IMAGE RESULTS OF THOSE GENERATED FOR THE CLOSENESS DATA.

IT WILL NOW BE INTERESTING TO SUBJECT THE CORRELATIONAL DATA TO THE SAME TYPE OF ANAYLSIS.

FOR THE CLOSENESS DATA WE OBTAIN:

TABLE 8.

FOR THE DISTANCE DATA WE OBTAIN:

TABLE 9.

CONSIDERABLE DIFFERENCES ARE APPARENT BETWEEN THE CLOSENESS AND DISTANCE ANALYSES. FOR STATES THAT EXPORT HIGH CONFLICT TO THOSE CLOSE TO THEM IN RESPECT TO THEIR OWN ATTRIBUTES, HIGH ECONOMIC DEVELOPMENTAND HIGH POWER ARE THE BEST PREDICTORS. THERE ARE ONLY TWO CASES WHERE LOW DEVELOPMENT OR LOW POWER ARE LINKED WITH LARGE PARAMETER WEIGHTS. IN CONTRAST, CONSIDERING STATES WHICH TEND TO EXPORT HIGH CONFLICT TO THOSE DISTANT FROM THEM, IN RESPECT TO THEIR ATTRIBUTES, WE FIND THAT FEW MILITARY PERSONNEL PER CAPITA IS THE THE MOST CONSISTANT PREDICTOR. THOSE MOST LIKELY TO EXPORT TO THOSE DISTANT FROM THEM, IN RESPECT TO THE ATTRIBUTE DIMENSIONS OF D-SPACE, TEND TO HAVE FEW MILITARY PERSONNEL PER CAPITA.

THESE DATA SUGGEST, THEN, THAT CHANGES IN ECONOMIC DEVELOPMENT AND POWER BASE MAY HAVE THE MOST IMPACT FOR THOSE MOST LIKELY TO EXPORT CONFLICT TO THOSE CLOSE TO THEIR OWN ATTRIBUTES, WHILE FEW MILITARY PERSONNEL PER CAPITA APPEARS TO BE OF PARTICULAR RELEVANCE TO STATES THAT TEND TO EXPORT CONFLICT TO THOSE DISTANT FROM THEIR ATTRIBUTES.

WE MUST CONCLUDE THAT THE TENDENCY TO EXPORT CONFLICT IS NOT A RANDOM EVENT RELATIVE TO ATTRIBUTE DISTANCE. NOT ONLY IS THE TENDENCY TO HAVE NEGATIVE OR POSITIVE WEIGHTS ON THE D-SPACE DISTANCE DIMENSIONS RELATED TO ATTRIBUTS, BUT SO ARE THE MAGNITUDE OF SUCH WEIGHTS. THE PRIMARY DISCRIMINATORS FOR POSITIVE VERSUS

NEGATIVE WEIGHTS ARE ECONOMIC DEVELOPMENT, POPULATION GROWTH RATE, DOMESTIC VIOLENCE, HEALTH EXPENDITURESS, ENERGY PRODUCTION AND EXECUTIVE ADJUSTMENTS, WITH POWER BASE EMERGING AS THE >PURIST> DISCRIMINATOR. THE PRIMARY AND PURIST DICRIMINATORS FOR THE MAGNITUDE OF THE WEIGHTS IN D-SPACE WERE ECONOMIC DEVELOPMENT AND POWER FOR CLOSENESS AND FEW MILITARY PERSONNEL PER CAPITA FOR DISTANCE.

THUS, IT IS POSSIBLE THAT ATTRIBUTE CHANGE MAY HAVE BEHAVIORAL EFFECTS. FURTHER, SUPPRESSION OF CONFLICT MAY, IN PART, RESULT FROM ATTRIBUTE MANIPULATION. AT FIRST GLANCE, SUCH A STATEMENT, WITHOUT FULLY APPRECIATING THE IMPLICATIONS OF THE ABOVE ANALYSIS, MAY SOUND PREPOSTEROUS AND ,YET, THE MAJOR PURPOSE OF MANY FOREIGN POLICY DECISIONS IS, IN FACT, A FORM OF ATTRIBUTE MANIPULATION. IT SHOULD BE CLEAR THAT POLICIES THAT CONCERN EXPORTATION OF ARMS, LAND AREA, BIRTH CONTROL, EDUCATION, ETC., ALL FALL WITHIN THE REALM OF ATTRIBUTE MANIPULATION WITHIN THE PURVIEW OF DISTANCE THEORY. IF THE ARGUMENTS OF PHILLIPS (1974) ARE ACCEPTED, CONCERNING THE THEORETICAL NATURE OF THIS TYPE OF FRAMEWORK AND THOSE OF MCCLELLAND (1968) ACCEPTED, CONCERNING THE POTENTIAL USEFULLNESS OF THE WEIS DATA SET FOR BROAD SCALE HYPOTHESIS TESTING, THEN THE OPINION HELD BY SOME THAT DYADIC-ATTRIBUTE TYPE RESEARCH HOLDS LITTLE PROMISE NEEDS TO BE REVISED. THESE RESULTS SUGGEST, FOR EXAMPLE, THAT TO LOWER THE ECONOMIC DEVELOPMENT AND THE POWER BASE OF A NATION MAY HAVE THE EFFECT OF REDUCING THE TENDENCY TO EXPORT HIGH CONFLICT TO OTHERS IF THEY APPROXIMATE

THAT NATION'S ATTRIBUTES.

A SINGLE STUDY OF THIS TYPE, OF COURSE, IS NOT CONCLUSIVE. VARIOUS ATTRIBUTE RELATED MODELS NEED TO BE EXPLORED AND CROSS-TIME PERSPECTIVES MAY PROVE TO BE PARTICULARLY PROFITABLE. IN VIEW OF THESE FINDINGS, HOWEVER, SUCH RESEARCH NEEDS TO BE ENCOURAGED AND STIMULATED, GIVEN THE LONG RANGE POTENTIAL PAYOFFS, INSTEAD OF IGNORED OR DISCOURAGED WHICH, AT TIMES, HAS BEEN THE CASE.

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FIGURES AND TABLES.

FIGURE 1.

RUMMEL'S DISTANCE METRIC, POSITIVE CORR. CASE

+ J FAR BELOW I	+ MUCH COOPERATION
J SAME AS I	AVERAGE COOPERATION
- J FAR ABOVE I	- LITTLE COOPERATION

FIGURE 2.

ABSOLUTE DISTANCE METRIC, POSITIVE CORR. CASE

+ J VERY DISTANT FROM I	+ MUCH COOPERATION
J AVERAGE DISTANCE FROM I	AVERAGE COOPERATION
J SAME AS I	- LITTLE COOPERATION

FIGURE 3.

MODEL OF DISTANCE THEORY

D-SPACE		B-SPACE
DYADIC FACTOR SCORES OF ABSOLUTE DISTANCES ON VARIABLES	PREDICT	DYADIC BEHAVIOR SCORES

TABLE 1.

WEIS COOPERATION CLASSIFICATIONS.

1. YIELD	3.5
2. APPROVE	2.9
3. PROMISE	3.0
4. GRANT	3.3
5. REWARD	4.5
6. AGREE	3.0
7. REQUEST	2.7

8. PROPOSE 2.8

TABLE 2.

WEIS TOTAL COOPERATION SCORES.

1.	AFGHANISTAN	5.70
2.	ALBANIA	31.50
3.	ALGERIA	71.20
4.	ARGENTINA	30.70
5.	AUSTRALIA	165.20
6.	AUSTRIA	33.10
7.	BELGIUM	41.80
8.	BOLIVIA	22.60
9.	BRAZIL	48.60
10.	BULGARIA	39.60
11.	BURMA	8.90
12.	BURUNDI	12.00
13.	CAMBODIA	97.50
14.	CAMEROUN	.00
15.	CANADA	167.90
16.	CENTRAL AFRICAN REP.	9.10
17.	CEYLON	29.60
18.	CHAD	11.80

19.	CHILE	20.30
20.	CHINA, PR.	426.20
21.	COLOMBIA	29.90
22.	CONGO (BRA)	2.90
23.	CONGO (LEO)	62.90
24.	COSTA RICA	8.70
25.	CUBA	154.50
26.	CYPRUS	15.10
27.	CZECHOSLOVAKIA	221.90
28.	DAHOMEY	.00
29.	DENMARK	28.50
30.	DOMINICAN REPUBLIC	17.40
31.	ECUADOR	15.30
32.	EL SALVADOR	3.10
33.	ETHIOPIA	34.00
34.	FINLAND	18.00
35.	FRANCE	495.90
36.	GABON	2.70
37.	EAST GERMANY	206.20
38.	WEST GERMANY	489.10
39.	GHANA	66.90
40.	GREECE	72.90
41.	GUATEMALA	2.90
42.	GUINEA	22.60
43.	HAITI	2.80
44.	HONDURAS	11.80

45.	HUNGARY	47.60
46.	ICELAND	.00
47.	INDIA	198.00
48.	INDONESIA	133.00
49.	IRAN	58.30
50.	IRAQ	108.70
51.	IRELAND	10.00
52.	ISRAEL	241.70
53.	ITALY	119.80
54.	IVORY COAST	6.20
55.	JAMAICA	.00
56.	JAPAN	209.30
57.	JORDAN	140.00
58.	NORTH KOREA	58.40
59.	SOUTH KOREA	102.00
60.	LAOS	24.20
61.	LEBANON	27.20
62.	LIBERIA	7.40
63.	LIBYA	11.60
64.	LUXEMBOURG	.00
65.	MALAGASY REP	6.20
66.	MALI	.00
67.	MAURITANIA	5.60
68.	MEXICO	46.30
69.	MONGOLIA	8.60
70.	MOROCCO	26.20

71.	NEPAL	6.20
72.	NETHERLANDS	38.90
73.	NEW ZEALAND	46.00
74.	NICARAGUA	2.90
75.	NIGER	3.30
76.	NIGERIA	36.40
77.	NORWAY	24.70
78.	PAKISTAN	142.00
79.	PANAMA	8.70
80.	PARAGUAY	.00
81.	PERU	34.30
82.	PHILIPPINES	145.20
83.	POLAND	108.70
84.	PORTUGAL	39.60
85.	ROMANIA	134.50
86.	RWANDA	5.80
87.	SAUDI ARABIA	59.30
88.	SENEGAL	5.70
89.	SIERRA LEONE	8.40
90.	SOMALIA	15.20
91.	SOUTH AFRICA	34.60
92.	SPAIN	124.00
93.	SUDAN	32.80
94.	SWEDEN	112.30
95.	SWITZERLAND	38.90
96.	SYRIA	132.80

97.	THAILAND	79.30
98.	TOGO	2.70
99.	TRINIDAD	.00
100.	TUNISIA	24.40
101.	TURKEY	61.80
102.	UGANDA	17.10
103.	U.S.S.R	1467.00
104.	U.A.R.	276.10
105.	UNITED KINGDOM	612.60
106.	UNITED STATES	3268.70
107.	UPPER VOLTA	.00
108.	URUGUAY	8.50
109.	VENEZUELA	18.50
110.	NORTH VIETNAM	304.30
111.	SOUTH VIETNAM	210.30
112.	YEMEN	24.20
113.	YUGOSLAVIA	131.70
114.	BOTSWANA	.00
115.	GAMBIA	8.10
116.	KUWAIT	38.10
117.	LESOTHO	.00
118.	MALAWI	5.60
119.	MALTA	9.90
120.	TANZANIA	41.40
121.	ZAMBIA	37.60
122.	KENYA	26.80

123.	W. SAMOA	.00
124.	SINGAPORE	37.50
125.	GUYANA	31.20
126.	MALAYSIA	88.90
127.	MALDIVE ISLANDS	3.30
128.	BARBADOS	8.70

TABLE 3.

A-SPACE FACTORS.

01. ECONOMIC DEVELOPMENT
02. POWER BASE
03. POLITICAL INSTABILITY
04. NON-COMPETITIVE POLITICAL SYSTEM
05. SMALL POPULATION GROWTH RATE
06. SMALL POPULATION DENSITY
07. SMALL CHRISTIAN COMMUNITY
08. RECENT NATIONAL INDEPENDENCE
09. LITTLE DOMESTIC VIOLENCE
10. LARGE GNP GROWTH RATE AT FIXED PRICES
11. FEW MILITARY PERSONNEL PER CAPITA
12. LARGE GNP GROWTH RATE
13. SMALL HEALTH EXPENDITURE AS PERCENT OF GNP
14. HIGH PER CAPITA SCHOOL ENROLLMENT
15. HIGH PER CAPITA INTERNAL SECURITY FORCE

16. HIGH ENERGY PRODUCTION

17. MANY ELECTIONS

18. HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

19. FEW EXECUTIVE ADJUSTMENTS

20. LOW CRUDE DEATH RATE

21. LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

22. NEW CURRENCY

TABLE 4.

A-SPACE,ROTATED FIRST FACTOR, SORTED.

01. ECONOMIC DEVELOPMENT

085. NATIONAL GOVERNMENT REVENUE PER CAPITA
.92

087. NATIONAL GOVERNMENT EXPENDITURE PER CAPITA
.91

095. IMPORTS PER CAPITA
.91

031. GNP PER CAPITA (IN U.S. DOLLARS)
.90

058. EDUCATION EXPENDITURE PER CAPITA (IN U.S. DOLLARS)
.89

115. TOTAL HIGHWAY VEHICLES PER CAPITA

.89

111. PASSENGER CARS PER CAPITA

.88

116. GROSS DOMESTIC PRODUCT PER CAPITA

.88

097. EXPORTS PER CAPITA

.87

093. TELEPHONES PER CAPITA

.87

113. COMMERCIAL VEHICLES PER CAPITA

.86

015. RADIOS PER 1,000 POPULATION

.86

120. ENERGY CONSUMPTION IN KILOGRAMS PER CAPITA

.85

016. TELEVISIONS PER 1,000 POPULATION

.80

017. CINEMA ATTENDANCE PER CAPITA, 1960

.78

061. HEALTH EXPENDITURE PER CAPITA

.77

049. PHYSICIANS PER ONE MILLION POPULATION, 1965

.76

091. ALL MAIL PER CAPITA

.76

020. ADJUSTED SCHOOL ENROLLMENT RATIO

.74

019. UNADJUSTED SCHOOL ENROLLMENT RATIO

.73

043. PERCENTAGE OF GDP ORIGINATING IN IND.

.72

014. NEWSPAPERS PER 1,000 POPULATION

.72

013. CONCENTRATION OF POPULATION IN CITIES

.71

018. LITERACY RATES

.70

122. BOOK PRODUCTION BY TITLES PER MILLION POPULATION

.70

055. DEFENSE EXPENDITURE PER CAPITA (IN U.S. DOLLARS)

.69

044. GROSS DOMESTIC FIXED CAPITAL FORMATION, % OF GNP

.65

083. PER CAPITA POPULATION IN CITIES OF 50,000+

.65

047. PROTEINS PER CAPITA PER DIEM, 1960

.63

106. UNIVERSITY ENROLLMENT PER CAPITA

.61

046. CALORIES PER CAPITA PER DIEM, 1960

.61

102. SECONDARY SCHOOL ENROLLMENT PER CAPITA

.59

108. TOTAL SCHOOL ENROLLMENT PER CAPITA

.57

081. PER CAPITA POPULATION IN CITIES OF 100,000+

.57

118. ENERGY PRODUCTION IN KILOGRAMS PER CAPITA

.55

104. PRIMARY AND SECONDARY ENROLLMENT PER CAPITA

.55

012. ADULT POPULATION

.54

092. TOTAL TELEPHONES

.53

084. NATIONAL GOVERNMENT REVENUE

.52

008. CRUDE BIRTH RATES, 1960

-.55

069. BEGINNING YEAR OF MODERNIZATION

-.55

042. PERCENTAGE OF GDP ORIGINATING IN AGRI.

-.59

TABLE 5.

D-SPACE FACTORS.

01. POWER BASE DISTANCE
02. ECONOMIC DEVELOPMENT DISTANCE
03. POLITICAL DISTANCE
04. SCHOOL ENROLLMENT DISTANCE
05. INTERNAL POLITICAL TURMOIL DISTANCE
06. INTERNAL VIOLENCE CLOSENESS
07. MILITARISM DISTANCE
08. DATE OF INDEPENDENCE DISTANCE
09. POPULATION GROWTH RATE DISTANCE
10. DENSITY DISTANCE
11. INTERNAL SECURITY FORCES DISTANCE
12. POPULATION SIZE DISTANCE
13. RELIGIOUS DISTANCE
14. ENERGY PRODUCTION DISTANCE
15. GNP GROWTH RATE DISTANCE
16. FIXED PRICES GNP GROWTH RATE CLOSENESS
17. ETHNO-LINGUISTIC FRACTIONALIZATION CLOSENESS
18. PER CENT URBAN POPULATION DISTANCE
19. ALL MAIL CLOSENESS
20. POLITICAL PARTY FRACTIONALIZATION CLOSENESS
21. DOMESTIC TURMOIL DISTANCE
22. TOTAL AREA CLOSENESS
23. PER CAPITA ENERGY CONSUMPTION GROWTH RATE DISTANCE
24. INFANT MORTALITY CLOSENESS

25. AGE OF CURRENCY CLOSENESS

26. TOTAL HEALTH EXPENDITURE CLOSENESS

27. CRUDE DEATH RATE CLOSENESS

28. REGULAR EXECUTIVE TRANSFERS CLOSENESS

29. PER CAPITA ECONOMIC ACTIVE MALE POPULATION DISTANCE

30. CONCENTRATION OF EXPORT COMMODITIES CLOSENESS

31. MEAN ELECTIONS DISTANCE

32. CONCENTRATION OF EXPORT RECEIVERS DISTANCE

33. ORTHODOX COMMUNITY CLOSENESS

TABLE 6.

Q-SPACE, ROTATED FIRST FACTOR, SORTED.

01. POWER BASE DISTANCE

030. TOTAL GNP (IN MILLIONS U.S. DOLLARS)

.91

057. TOTAL EDUCATION EXPENDITURE (IN MILLIONS U.S. DOLLARS)

.88

119. TOTAL ENERGY CONSUMPTION IN METRIC TONS OF COAL EQUIVALENT

.86

098. PROPORTION OF TOTAL WORLD TRADE

.85

094. TOTAL IMPORTS

.85

036. TOTAL TRADE, 1960 (IN MILLIONS U.S. DOLLARS)

.83

114. TOTAL HIGHWAY VEHICLES

.82

096. TOTAL EXPORTS

.81

110. TOTAL PASSENGER CARS

.79

092. TOTAL TELEPHONES

.79

041. % CONTR. TO WORLD TOTAL OF SCI. AUTHORS

.78

086. NATIONAL GOVERNMENT EXPENDITURE

.78

084. NATIONAL GOVERNMENT REVENUE

.76

060. TOTAL HEALTH EXPENDITURE (IN MILLIONS U.S. DOLLARS)

.75

112. TOTAL COMMERCIAL VEHICLES

.75

109. RAIL PASSENGER KILOMETERS

.73

048. TOTAL NUMBER OF PHYSICIANS

.72

080. POPULATION IN CITIES OF 100,000+

.72

105. TOTAL UNIVERSITY ENROLLMENT

.72

082. POPULATION IN CITIES OF 50,000+

.71

088. RAILROAD MILEAGE

.70

101. TOTAL SECONDARY SCHOOL ENROLLMENT

.64

040. TOTAL SCIENTIFIC AND TECHNICAL SERIALS PUBLISHED

.62

107. TOTAL SCHOOL ENROLLMENT

.56

066. TOTAL INTERNAL SECURITY FORCES (IN UNITS)

.56

099. TOTAL PRIMARY SCHOOL ENROLLMENT

.55

121. BOOK PRODUCTION BY TITLES

.54

090. ALL MAIL

.54

001. TOTAL POPULATION

.49

TABLE 7.

ANALYSIS OF NEGATIVE WEIGHTS IN TERMS OF A-SPACE, MEAN DISCRIMINATIONS

H-CODE ---> FIRST ENTRY = J'S DISTANT, SECOND ENTRY = J'S CLOSE

V-CODE

!

V

HIGH ECONOMIC DEVELOPMENT	5	3
LOW ECONOMIC DEVELOPMENT	3	1
LARGE POWER BASE	0	2
SMALL POWER BASE	2	0
POLITICAL INSTABILITY	1	3
LITTLE POLITICAL INSTABILITY	0	0
NON-COMPETITIVE POLITICAL SYSTEM	1	1
COMPETITIVE POLITICAL SYSTEM	2	2
SMALL POPULATION GROWTH RATE	1	2
LARGE POPULATION GROWTH RATE	3	1
SMALL POPULATION DENSITY	1	1
LARGE POPULATION DENSITY	1	3
SMALL CHRISTIAN COMMUNITY	2	0
LARGE CHRISTIAN COMMUNITY	0	0
RECENT NATIONAL INDEPENDENCE	2	2
LONG NATIONAL INDEPENDENCE	0	2
LITTLE DOMESTIC VIOLENCE	1	1
MUCH DOMESTIC VIOLENCE	1	2

LARGE GNP GROWTH RATE AT FIXED PRICES	2	0
SMALL GNP GROWTH RATE AT FIXED PRICES	0	3
FEW MILITARY PERSONNEL PER CAPITA	1	1
MANY MILITARY PERSONNEL PER CAPITA	0	2
LARGE GNP GROWTH RATE	0	2
SMALL GNP GROWTH RATE	1	1
SMALL HEALTH EXP. AS % OF GNP	2	3
LARGE HEALTH EXP. AS % OF GNP	1	0
HIGH PER CAPITA SCHOOL ENROLLMENT	1	3
LOW PER CAPITA SCHOOL ENROLLMENT	1	1
HIGH PER CAPITA INTERNAL SECURITY FORCE	3	1
LOW PER CAPITA INTERNAL SECURITY FORCE	0	0
HIGH ENERGY PRODUCTION	1	1
LOW ENERGY PRODUCTION	0	1
MANY ELECTIONS	1	1
FEW ELECTIONS	1	2
HIGH RATIO OF BL. MARKET TO OFF. EXCH.	0	0
LOW RATIO OF BL. MARKET TO OFF. EXCH.	1	0
FEW EXECUTIVE ADJUSTMENTS	1	2
MANY EXECUTIVE ADJUSTMENTS	1	1
LOW CRUDE DEATH RATE	1	0
HIGH CRUDE DEATH RATE	0	3
LITTLE ETHNO-LING. FRACTIONALIZATION	0	0
MUCH ETHNO-LING. FRACTIONALIZATION	0	0
NEW CURRENCY	0	1
OLD CURRENCY	1	0

TABLE 8.

ANALYSIS OF NEGATIVE WEIGHTS IN TERMS OF A-SPACE, CORRELATIONS

H-CODE ---> FIRST ENTRY = J'S DISTANT, SECOND ENTRY = J'S CLOSE

V-CODE

!

V

HIGH ECONOMIC DEVELOPMENT			0	5		
LOW ECONOMIC DEVELOPMENT			0	1		
LARGE POWER BASE	0	3				
SMALL POWER BASE	1	1				
POLITICAL INSTABILITY			0	0		
LITTLE POLITICAL INSTABILITY					0	0
NON-COMPETITIVE POLITICAL SYSTEM					0	2
COMPETITIVE POLITICAL SYSTEM					1	0
SMALL POPULATION GROWTH RATE					0	2
LARGE POPULATION GROWTH RATE					1	3
SMALL POPULATION DENSITY			1	0		
LARGE POPULATION DENSITY			2	0		
SMALL CHRISTIAN COMMUNITY			0	3		
LARGE CHRISTIAN COMMUNITY			0	3		
RECENT NATIONAL INDEPENDENCE					1	0
LONG NATIONAL INDEPENDENCE			0	0		

LITTLE DOMESTIC VIOLENCE	0	1
MUCH DOMESTIC VIOLENCE	0	1
LARGE GNP GROWTH RATE AT FIXED PRICES	1	1
SMALL GNP GROWTH RATE AT FIXED PRICES	0	0
FEW MILITARY PERSONNEL PER CAPITA	0	2
MANY MILITARY PERSONNEL PER CAPITA	0	2
LARGE GNP GROWTH RATE	0	0
SMALL GNP GROWTH RATE	0	1
SMALL HEALTH EXP. AS % OF GNP	0	0
LARGE HEALTH EXP. AS % OF GNP	1	2
HIGH PER CAPITA SCHOOL ENROLLMENT	1	2
LOW PER CAPITA SCHOOL ENROLLMENT	0	2
HIGH PER CAPITA INTERNAL SECURITY FORCE	0	1
LOW PER CAPITA INTERNAL SECURITY FORCE	0	0
HIGH ENERGY PRODUCTION	0	0
LOW ENERGY PRODUCTION	1	0
MANY ELECTIONS	0	0
FEW ELECTIONS	0	0
HIGH RATIO OF BL. MARKET TO OFF. EXCH.	0	1
LOW RATIO OF BL. MARKET TO OFF. EXCH.	1	1
FEW EXECUTIVE ADJUSTMENTS	0	1
MANY EXECUTIVE ADJUSTMENTS	0	1
LOW CRUDE DEATH RATE	0	1
HIGH CRUDE DEATH RATE	0	1
LITTLE ETHNO-LING. FRACTIONALIZATION	1	2
MUCH ETHNO-LING. FRACTIONALIZATION	0	0

NEW CURRENCY	0	2
OLD CURRENCY	1	0

TABLE 9.

ANALYSIS OF POSITIVE WEIGHTS IN TERMS OF A-SPACE, CORRELATIONS

H-CODE ---> FIRST ENTRY = J'S DISTANT, SECOND ENTRY = J'S CLOSE

V-CODE

↓

V

HIGH ECONOMIC DEVELOPMENT			1	1
LOW ECONOMIC DEVELOPMENT			1	0
LARGE POWER BASE	1	2		
SMALL POWER BASE	1	0		
POLITICAL INSTABILITY		0	1	
LITTLE POLITICAL INSTABILITY			0	0
NON-COMPETITIVE POLITICAL SYSTEM				2 3
COMPETITIVE POLITICAL SYSTEM			1	1
SMALL POPULATION GROWTH RATE			0	0
LARGE POPULATION GROWTH RATE			0	0
SMALL POPULATION DENSITY			1	1
LARGE POPULATION DENSITY			1	1
SMALL CHRISTIAN COMMUNITY			0	0

LARGE CHRISTIAN COMMUNITY	1	0
RECENT NATIONAL INDEPENDENCE	1	0
LONG NATIONAL INDEPENDENCE	0	0
LITTLE DOMESTIC VIOLENCE	0	0
MUCH DOMESTIC VIOLENCE	1	3
LARGE GNP GROWTH RATE AT FIXED PRICES	1	0
SMALL GNP GROWTH RATE AT FIXED PRICES	1	2
FEW MILITARY PERSONNEL PER CAPITA	1	0
MANY MILITARY PERSONNEL PER CAPITA	0	0
LARGE GNP GROWTH RATE	2	2
SMALL GNP GROWTH RATE	0	0
SMALL HEALTH EXP. AS % OF GNP	1	0
LARGE HEALTH EXP. AS % OF GNP	0	0
HIGH PER CAPITA SCHOOL ENROLLMENT	1	1
LOW PER CAPITA SCHOOL ENROLLMENT	2	0
HIGH PER CAPITA INTERNAL SECURITY FORCE	1	0
LOW PER CAPITA INTERNAL SECURITY FORCE	0	0
HIGH ENERGY PRODUCTION	1	1
LOW ENERGY PRODUCTION	1	1
MANY ELECTIONS	2	0
FEW ELECTIONS	2	2
HIGH RATIO OF BL. MARKET TO OFF. EXCH.	1	1
LOW RATIO OF BL. MARKET TO OFF. EXCH.	1	0
FEW EXECUTIVE ADJUSTMENTS	0	1
MANY EXECUTIVE ADJUSTMENTS	1	0
LOW CRUDE DEATH RATE	2	0

HIGH CRUDE DEATH RATE	0	0
LITTLE ETHNO-LING. FRACTIONALIZATION	1	0
MUCH ETHNO-LING. FRACTIONALIZATION	1	0
NEW CURRENCY	0	1
OLD CURRENCY	1	1

APPENDIX A

NOTE! CERTAIN MATERIALS MAY BE TRUNCATED, WHERE TRUNCATION IS INDICATED BY A LINE OF **********, TO REDUCE REDUNDANCY OR FACILITATE FLOW. IF THE MATERIAL IS NOT FOUND IN ANOTHER MONOGRAPH, IT CAN BE FOUND, IN IT'S ENTIRETY, AT THE END OF THE MONOGRAPH.

LIST 1

MEANS ANALYSIS, POSITIVE

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2569 (MEAN SCORE ON FACTOR)

SMALL POWER BASE -.4281 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.4372 (MEAN SCORE ON FACTOR)

POLITICAL INSTABILITY .2185 (MEAN SCORE ON FACTOR)

HIGH PER CAPITA SCHOOL ENROLLMENT .1812 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3504 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW PER CAPITA SCHOOL ENROLLMENT -.5524 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY -.7103 (MEAN SCORE ON FACTOR)

LONG NATIONAL INDEPENDENCE -.3476 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.1956 (MEAN SCORE ON FACTOR)

POLITICAL INSTABILITY .2018 (MEAN SCORE ON FACTOR)

MUCH DOMESTIC VIOLENCE -.4639 (MEAN SCORE ON FACTOR)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .2120

(MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY .3366 (MEAN SCORE ON FACTOR)

MUCH DOMESTIC VIOLENCE -.3179 (MEAN SCORE ON FACTOR)

FEW MILITARY PERSONNEL PER CAPITA .6043 (MEAN SCORE ON FACTOR)

****

LIST 2

MEANS ANALYSIS, NEGATIVE

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .3449 (MEAN SCORE ON FACTOR)

LARGE POWER BASE .7584 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .3983 (MEAN SCORE ON FACTOR)

LITTLE POLITICAL INSTABILITY -.1934 (MEAN SCORE ON FACTOR)

LOW PER CAPITA SCHOOL ENROLLMENT -.1895 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.4033 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT .3569 (MEAN

SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

POLITICAL INSTABILITY .3908 (MEAN SCORE ON FACTOR)

RECENT NATIONAL INDEPENDENCE .1524 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1695 (MEAN SCORE ON FACTOR)

LITTLE POLITICAL INSTABILITY -.2057 (MEAN SCORE ON FACTOR)

LITTLE DOMESTIC VIOLENCE .3146 (MEAN SCORE ON FACTOR)

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE -.2608 (MEAN SCORE ON FACTOR)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON

MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY -.2034 (MEAN SCORE ON FACTOR)

LITTLE DOMESTIC VIOLENCE .0693 (MEAN SCORE ON FACTOR)

MANY MILITARY PERSONNEL PER CAPITA -.3678 (MEAN SCORE ON FACTOR)

****

LIST 3

CORRELATION ANALYSIS, POSITIVE

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 56 P= .0125 R=

.3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 61 P= .0405 R= .2600

MUCH DOMESTIC VIOLENCE N= 61 P= .0491 R= .2500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 47 P= .0320 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 37 P= .0318 R= .3500

MANY ELECTIONS N= 37 P= .0228 R= .3700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE N= 56 P= .0190 R= .3100

OLD CURRENCY N= 56 P= .0344 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY N= 42 P= .0182 R= .3600

FEW MILITARY PERSONNEL PER CAPITA N= 42 P= .0182 R= .3600

****

LIST 4

CORRELATION ANALYSIS, NEGATIVE

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 50 P= .0122 R= .3500

LARGE POWER BASE N= 50 P= .0001 R= .5600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 59 P= .0006 R= .4500

LITTLE DOMESTIC VIOLENCE N= 59 P= .0441 R= .2600

HIGH CRUDE DEATH RATE N= 59 P= .0066 R= .3500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 68 P= .0196 R= .2800

HIGH PER CAPITA SCHOOL ENROLLMENT N= 68 P= .0124 R= .3000

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 68

P= .0303 R= .2600

LOW CRUDE DEATH RATE N= 68 P= .0196 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 74 P= .0118 R= .2900

MANY MILITARY PERSONNEL PER CAPITA N= 74 P= .0000 R= .6200

HIGH PER CAPITA SCHOOL ENROLLMENT N= 74 P= .0020 R= .3600

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COMPLETE VERSION OF INVENTORY

DISTANCE THEORY, RESULTS FOR COOPERATION, 1966-69, AN INVENTORY OF FINDINGS

THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATIRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS. THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A DISCRIMINANT FUNCTION ANALYSIS ON THE POSITIVE VERSUS THE NEGATIVE WEIGHT SUBJECTS, FOR EACH OF THE INDEPENDENT VARIABLES USING THE FACTORS OF A-SPACE AS DISCRIMINATORS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE MAGNITUDE OF THE WEIGHTS.

A BRIEF STATEMENT ON DISCRIMINANT FUNCTION ANALYSIS (HADLEY, 1961) SEEMS TO BE IN ORDER. ITS PURPOSE HERE IS TO DETERMINE, WHEN CONSIDERING TWO DIFFERENT NATION GROUPS, SCORED ON COMMON VARIABLES, WHICH OF THE VARIABLES BEST DISCRIMINATES BETWEEN NATION GROUPS. THIS IS DONE BY GIVING EACH GROUP MEMBER A DISCRIMINANT FUNCTION SCORE, WHICH IS A FUNCTION OF THE ORIGINAL VARIABLES WEIGHTED SO THAT THE MEAN OF THE DISCRIMINANT FUNCTION SCORES, FOR EACH GROUP, IS MAXIMALLY DIFFERENT. CORRELATIONS OF THE ORIGINAL VARIABLES WITH THE DISCRIMINANT FUNCTION SCORES INDICATE WHICH VARIABLES ARE THE BEST DISCRIMINATORS. FOR EXAMPLE, IF ECONOMIC DEVELOPMENT CORRELATES .60 WITH THE DISCRIMINANT FUNCTION SCORES OF A PARTICULAR ANALYSIS, SAY + WEIGHTS VS. - WEIGHTS IN RESPECT TO POWER BASE, THOSE WITH POSITIVE WEIGHTS, ON POWER BASE, WOULD TEND TO BE DEVELOPED STATES AND THOSE WITH

NEGATIVE WEIGHTS, UNDERDEVELOPED STATES.

A PRODUCT OF DISCRIMINANT FUNCTION ANALYSIS IS AN F-TEST OF THE MEANS OF THE TWO GROUPS CONSIDERED ON THE VARIABLES. IN THE ABOVE EXAMPLE, IF THE MEAN OF THE + POWER STATES IS COMPARED WITH THE MEAN OF THE - POWER STATES, IN RESPECT TO ECONOMIC DEVELOPMENT, THE MEAN OF THE FORMER STATES MIGHT BE .35, INDICATING THAT THE + POWER GROUP IS ABOVE THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT, WHILE THE - POWER STATES MIGHT HAVE A SCORE OF -.12, INDICATING THAT THE - POWER STATES ARE BELOW THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT. IF THE DIFFERENCE IS SIGNIFICANT, WE MAY CONCLUDE THAT THE + POWER STATES TEND TO BE DEVELOPED WHILE THE - POWER STATES TEND TO BE UNDERDEVELOPED.

EACH OF THE FINDINGS, WHICH FOLLOWS, IS BASED ON A SIGNIFICANCE LEVEL OF .05 OR LESS, AND COMPARES THE ATTRIBUTE CHARACTERISTICS OF THOSE WITH - VERSUS + WEIGHTS AS DETERMINED BY THE DISCRIMINANT FUNCTION ANALYSES.

THE FOLLOWING LISTS: LIST 1 = DISCRIMINANT RESULTS, POSITIVE WEIGHTS, LIST 2 = DISCRIMINANT RESULTS, NEGATIVE WEIGHTS, LIST 3 = CORRELATION RESULTS, POSITIVE WEIGHTS, LIST 4 = CORRELATION RESULTS, NEGATIVE WEIGHTS, ---- SHOW THE RELATIONSHIP OF THE NATIONAL ATTRIBUTES TO THE EXPORTATION PATTERNS.

EACH FINDING CAN BE VIEWED AS HAVING POTENTIAL POLICY IMPLICATIONS. FOR EXAMPLE, IF LOW ECONOMIC DEVELOPMENT IS ASSOCIATED WITH - WEIGHTS AND HIGH ECONOMIC DEVELOPMENT WITH + WEIGHTS, THEN, IT IS POSSIBLE THAT IF A STATE SHIFTS FROM LOW DEVELOPMENT TO HIGH DEVELOPMENT THAT ITS EXPORT WEIGHT PATTERN MAY

SHIFT FROM - TO +. OBVIOUSLY SUCH AN INTERPRETATION IS SPECULATIVE SINCE >CAUSE> IS NOT CLEARLY ESTABLISHED BY THIS KIND OF ANAYLYSIS. NEVERTHELESS, THE FOLLOWING RESULTS STRONGLY SUGGEST THAT NATION ATTRIBUTES ARE LINKED (AT LEAST PREDICTIVELY) TO EXPORT PATTERNS AND MAY BE LINKED CAUSALLY.

THE INVENTORY

LIST 1

AN INVENTORY OF FINDINGS FOR DISTANCE THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR POSITIVE WEIGHT NATIONS.

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2569 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.4281 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.4372 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .2185 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1812 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3504 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW PER CAPITA SCHOOL ENROLLMENT -.5324 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY -.7103 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.3476 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.1956 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .2018 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.4639 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .2120 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY .3366 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.3179 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .6043 (MEAN GROUP SCORE IN

A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DATE OF INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE .4892 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE -.7490 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION DENSITY .3244 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY .5387 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .3121 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL SECURITY FORCES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW PER CAPITA INTERNAL SECURITY FORCE -.4595 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POPULATION SIZE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1814 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.3562 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.1614 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.2403 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .2541 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON RELIGION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY -.4964 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.3598 (MEAN GROUP SCORE IN A-SPACE)

COMPETITIVE POLITICAL SYSTEM -.1551 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION DENSITY -.1886 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .1979 (MEAN GROUP SCORE IN A-SPACE)

LOW ENERGY PRODUCTION -.4314 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES .2688 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.4039 (MEAN GROUP SCORE IN A-SPACE)

OLD CURRENCY -.4405 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON FIXED PRICES GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2647 (MEAN GROUP SCORE IN A-SPACE)

NON-COMPETITIVE POLITICAL SYSTEM .2658 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION DENSITY -.2415 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.4011 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY ELECTIONS .2123 (MEAN GROUP SCORE IN A-SPACE)

NEW CURRENCY .1351 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CENT URBAN POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .2994 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .1906 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.3605 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.3062 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ALL MAIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.4248 (MEAN GROUP SCORE IN

A-SPACE)

SMALL POPULATION GROWTH RATE .2246 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.3276 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .2186 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL PARTY FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3488 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.2747 (MEAN GROUP SCORE IN A-SPACE)

LARGE CHRISTIAN COMMUNITY -.1331 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.2370 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.2537 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DOMESTIC TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .1997 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .4093 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.2920 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.3153 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON TOTAL AREA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2316 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .3069 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION DENSITY .6154 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.2233 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CAPITA ENERGY CONSUMPTION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE .1882 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .3242 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .1813 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .2992 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INFANT MORTALITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .2105 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .2070 (MEAN GROUP SCORE IN A-SPACE)

LARGE CHRISTIAN COMMUNITY -.2113 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.2944 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.2804 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON AGE OF CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON TOTAL HEALTH EXPENDITURE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE DOMESTIC VIOLENCE .1762 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.3362 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.2013 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.1823 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .1237 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.2522 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON REGULAR EXECUTIVE TRANSFERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1636 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.2246 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.2700 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.1373 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CAPITA ECONOMIC ACTIVE MALE POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE -.2019 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .1582 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.3041 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.2950 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON CONCENTRATION OF EXPORT COMMODITIES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2638 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .3424 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .3707 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .2015 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MEAN ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE -.2924 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.2369 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.2673 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CONCENTRATION OF EXPORT RECEIVERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW MILITARY PERSONNEL PER CAPITA .1513 (MEAN GROUP SCORE IN A-SPACE)

HIGH ENERGY PRODUCTION .1615 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .2644 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .2559 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ORTHODOX COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1817 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.2924 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1882 (MEAN GROUP SCORE IN A-SPACE)

LOW ENERGY PRODUCTION -.2839 (MEAN GROUP SCORE IN A-SPACE)

LIST 2

AN INVENTORY OF FINDINGS FOR DISTANCE THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR NEGATIVE WEIGHT NATIONS.

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .3449 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .7584 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .3983 (MEAN GROUP SCORE IN A-SPACE)

LITTLE POLITICAL INSTABILITY -.1934 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.1895 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.4033 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT .3569 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

POLITICAL INSTABILITY .3908 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .1524 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1695 (MEAN GROUP SCORE IN A-SPACE)

LITTLE POLITICAL INSTABILITY -.2057 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .3146 (MEAN GROUP SCORE IN A-SPACE)

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE -.2608 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY -.2034 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .0693 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.3678 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DATE OF INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE -.5042 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .3484 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION DENSITY -.1778 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY -.2320 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.1817 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL SECURITY FORCES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA INTERNAL SECURITY FORCE .1864 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POPULATION SIZE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2801 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .6827 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .2361 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .2499 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.1495 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON RELIGION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

POLITICAL INSTABILITY .0656 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .4503 (MEAN GROUP SCORE IN A-SPACE)

NON-COMPETITIVE POLITICAL SYSTEM .2507 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION DENSITY .2313 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.3021 (MEAN GROUP SCORE IN A-SPACE)

HIGH ENERGY PRODUCTION .5086 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES -.2098 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .2216 (MEAN GROUP SCORE IN A-SPACE)

NEW CURRENCY .2612 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON FIXED PRICES GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .2532 (MEAN GROUP SCORE IN A-SPACE)

COMPETITIVE POLITICAL SYSTEM -.2181 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION DENSITY .2034 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .3666 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW ELECTIONS -.2556 (MEAN GROUP SCORE IN A-SPACE)

OLD CURRENCY -.2683 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CENT URBAN POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE -.1910 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.2307 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .1742 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1794 (MEAN GROUP SCORE IN

A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ALL MAIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .3782 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.2039 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA INTERNAL SECURITY FORCE .2257 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.2551 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL PARTY FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.3639 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION GROWTH RATE .2723 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .2602 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .1747 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .3904 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DOMESTIC TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM -.1849 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.5430 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .2180 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .1659 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON TOTAL AREA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1718 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.0663 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION DENSITY -.4969 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1667 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CAPITA ENERGY CONSUMPTION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE -.2302 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.2156 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.2608 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.2188 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INFANT MORTALITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.1912 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.1928 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .3153 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .2592 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .2116 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON AGE OF CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON TOTAL HEALTH EXPENDITURE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE -.2630 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .3466 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA INTERNAL SECURITY FORCE .1850 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .2582 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.3105 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .3074 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON REGULAR EXECUTIVE TRANSFERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2427 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .1878 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA INTERNAL SECURITY FORCE .2430 (MEAN GROUP SCORE IN A-SPACE)

LOW CRUDE DEATH RATE .2600 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CAPITA ECONOMIC ACTIVE MALE POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .2215 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE AT FIXED PRICES -.2332 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .2570 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .2498 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CONCENTRATION OF EXPORT COMMODITIES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .1921 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.1090 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.3312 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.2031 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON MEAN ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE .1570 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .1988 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .3870 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON

CONCENTRATION OF EXPORT RECEIVERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY MILITARY PERSONNEL PER CAPITA -.2714 (MEAN GROUP SCORE IN A-SPACE)

LOW ENERGY PRODUCTION -.3025 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.2718 (MEAN GROUP SCORE IN A-SPACE)

HIGH CRUDE DEATH RATE -.3396 (MEAN GROUP SCORE IN A-SPACE)

I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ORTHODOX COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2485 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE AT FIXED PRICES .2201 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.2147 (MEAN GROUP SCORE IN A-SPACE)

HIGH ENERGY PRODUCTION .2698 (MEAN GROUP SCORE IN A-SPACE)

LIST 3

AN INVENTORY OF FINDINGS FOR DISTANCE THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH POSITIVE WEIGHTS.

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM

THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 56 P= .0125 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 61 P= .0405 R= .2600

MUCH DOMESTIC VIOLENCE N= 61 P= .0491 R= .2500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 47 P= .0320 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 37 P= .0318 R= .3500

MANY ELECTIONS N= 37 P= .0228 R= .3700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE N= 56 P= .0190 R= .3100

OLD CURRENCY N= 56 P= .0344 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY N= 42 P= .0182 R= .3600

FEW MILITARY PERSONNEL PER CAPITA N= 42 P= .0182 R=

.3600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DATE OF INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY ELECTIONS N= 36 P= .0177 R= .3900

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY N= 34 P= .0401 R= .3500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL SECURITY FORCES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE N= 36 P= .0467 R= .3300

LOW PER CAPITA SCHOOL ENROLLMENT N= 36 P= .0401 R= .3400

MANY EXECUTIVE ADJUSTMENTS N= 36 P= .0104 R= .4200

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POPULATION SIZE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 63 P= .0373 R= .2600

COMPETITIVE POLITICAL SYSTEM N= 63 P= .0247 R= .2800

LOW PER CAPITA SCHOOL ENROLLMENT N= 63 P= .0247 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON RELIGION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW ELECTIONS N= 15 P= .0285 R= .5600

OLD CURRENCY N= 15 P= .0360 R= .5400

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ENERGY PRODUCTION N= 65 P= .0073 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 45 P= .0302 R= .3200

NON-COMPETITIVE POLITICAL SYSTEM N= 45 P= .0211 R= .3400

HIGH PER CAPITA SCHOOL ENROLLMENT N= 45 P= .0360 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON FIXED PRICES GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES N= 58 P= .0110 R= .3300

LOW ENERGY PRODUCTION N= 58 P= .0110 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE N= 74 P= .0371 R= .2400

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CENT URBAN POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 44 P= .0156 R= .3600

NON-COMPETITIVE POLITICAL SYSTEM N= 44 P= .0322 R= .3200

SMALL GNP GROWTH RATE AT FIXED PRICES N= 44 P= .0013 R= .4800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ALL MAIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 49 P= .0131 R= .3500

NON-COMPETITIVE POLITICAL SYSTEM N= 49 P= .0160 R= .3400

FEW EXECUTIVE ADJUSTMENTS N= 49 P= .0019 R= .4400

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL PARTY FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY N= 61 P= .0144 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON DOMESTIC TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 57 P= .0270 R= .2900

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION N= 57 P= .0179 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON TOTAL AREA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY N= 51 P= .0075 R= .3700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CAPITA ENERGY CONSUMPTION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE N= 58 P= .0170 R= .3100

HIGH ENERGY PRODUCTION N= 58 P= .0256 R= .2900

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 58 P=

.0313 R= .2800

LOW CRUDE DEATH RATE N= 58 P= .0313 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INFANT MORTALITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 57 P= .0220 R= .3000

COMPETITIVE POLITICAL SYSTEM N= 57 P= .0145 R= .3200

HIGH ENERGY PRODUCTION N= 57 P= .0480 R= .2600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON AGE OF CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON TOTAL HEALTH EXPENDITURE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM N= 56 P= .0190 R= .3100

LARGE GNP GROWTH RATE N= 56 P= .0232 R= .3000

FEW ELECTIONS N= 56 P= .0344 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE N= 72 P= .0321 R= .2500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON REGULAR EXECUTIVE TRANSFERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT N= 63 P= .0373 R= .2600

FEW ELECTIONS N= 63 P= .0025 R= .3800

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 63 P=

.0454 R= .2500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON PER CAPITA ECONOMIC ACTIVE MALE POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE N= 60 P= .0188 R= .3000

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON CONCENTRATION OF EXPORT COMMODITIES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY N= 52 P= .0349 R= .2900

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON MEAN ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW ELECTIONS N= 56 P= .0026 R= .4000

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 56 P= .0190 R= .3100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CONCENTRATION OF EXPORT RECEIVERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA INTERNAL SECURITY FORCE N= 69 P= .0149 R= .2900

LOW CRUDE DEATH RATE N= 69 P= .0234 R= .2700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ORTHODOX COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 59 P= .0104 R= .3300

NON-COMPETITIVE POLITICAL SYSTEM N= 59 P= .0298 R= .2800

SMALL GNP GROWTH RATE AT FIXED PRICES N= 59 P= .0053 R= .3600

LARGE GNP GROWTH RATE N= 59 P= .0129 R= .3200

NEW CURRENCY N= 59 P= .0033 R= .3800

LIST 4

AN INVENTORY OF FINDINGS FOR DISTANCE THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH NEGATIVE WEIGHTS.

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 50 P= .0122 R= .3500

LARGE POWER BASE N= 50 P= .0001 R= .5600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 59 P= .0006 R= .4500

LITTLE DOMESTIC VIOLENCE N= 59 P= .0441 R= .2600

HIGH CRUDE DEATH RATE N= 59 P= .0066 R= .3500

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 68 P= .0196 R= .2800

HIGH PER CAPITA SCHOOL ENROLLMENT N= 68 P= .0124 R= .3000

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 68 P= .0303 R= .2600

LOW CRUDE DEATH RATE N= 68 P= .0196 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL POLITICAL TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INTERNAL VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON MILITARISM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 74 P= .0118 R= .2900

MANY MILITARY PERSONNEL PER CAPITA N= 74 P= .0000 R= .6200

HIGH PER CAPITA SCHOOL ENROLLMENT N= 74 P= .0020 R= .3600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DATE OF INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 62 P= .0034 R= .3700

MUCH DOMESTIC VIOLENCE N= 62 P= .0136 R= .3100

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 62 P= .0087 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE N= 77 P= .0022 R= .3500

LARGE CHRISTIAN COMMUNITY N= 77 P= .0167 R= .2700

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 77 P= .0048

R= .3200

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 80 P= .0301 R= .2400

FEW MILITARY PERSONNEL PER CAPITA N= 80 P= .0014 R= .3600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON INTERNAL SECURITY FORCES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM N= 79 P= .0485 R= .2200

FEW MILITARY PERSONNEL PER CAPITA N= 79 P= .0072 R= .3000

LOW PER CAPITA SCHOOL ENROLLMENT N= 79 P= .0153 R= .2700

HIGH PER CAPITA INTERNAL SECURITY FORCE N= 79 P= .0485 R= .2200

FEW EXECUTIVE ADJUSTMENTS N= 79 P= .0072 R= .3000

NEW CURRENCY N= 79 P= .0195 R= .2600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON POPULATION SIZE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 49 P= .0000 R= .6700

SMALL POPULATION GROWTH RATE N= 49 P= .0485 R= .2800

SMALL CHRISTIAN COMMUNITY N= 49 P= .0485 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON RELIGION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM N= 99 P= .0121 R=

.2500

LARGE POPULATION GROWTH RATE N= 99 P= .0052 R= .2800

SMALL GNP GROWTH RATE N= 99 P= .0347 R= .2100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP N= 50 P= .0387 R= .2900

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 50 P= .0221 R= .3200

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 71 P= .0215 R= .2700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON FIXED PRICES GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 57 P= .0094 R= .3400

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP N= 57 P= .0019 R= .4100

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 38 P= .0475 R= .3200

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CENT URBAN POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 72 P= .0258 R= .2600

LARGE POPULATION GROWTH RATE N= 72 P= .0398 R= .2400

SMALL CHRISTIAN COMMUNITY N= 72 P= .0398 R= .2400

MANY EXECUTIVE ADJUSTMENTS N= 72 P= .0129 R= .2900

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ALL MAIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

OLD CURRENCY N= 65 P= .0343 R= .2600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON POLITICAL PARTY FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT N= 54 P= .0012 R= .4400

LOW ENERGY PRODUCTION N= 54 P= .0141 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON DOMESTIC TURMOIL

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON TOTAL AREA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM N= 65 P= .0057 R= .3400

LARGE POPULATION DENSITY N= 65 P= .0225 R= .2800

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CAPITA ENERGY CONSUMPTION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 58 P= .0089 R= .3400

NEW CURRENCY N= 58 P= .0256 R= .2900

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON INFANT MORTALITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM

THEM ON AGE OF CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 65 P= .0278 R= .2700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON TOTAL HEALTH EXPENDITURE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY N= 43 P= .0168 R= .3600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON REGULAR EXECUTIVE TRANSFERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON PER CAPITA ECONOMIC ACTIVE MALE POPULATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 55 P= .0107 R= .3400

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON CONCENTRATION OF EXPORT COMMODITIES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 63 P= .0373 R= .2600

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON MEAN ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 58 P= .0170 R= .3100

LARGE GNP GROWTH RATE AT FIXED PRICES N= 58 P= .0313 R= .2800

LOW PER CAPITA SCHOOL ENROLLMENT N= 58 P= .0380 R= .2700

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE TO THEM ON CONCENTRATION OF EXPORT RECEIVERS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY N= 45 P= .0211 R= .3400

MANY MILITARY PERSONNEL PER CAPITA N= 45 P= .0175 R= .3500

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP N= 45 P= .0253 R= .3300

I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S DISTANT FROM THEM ON ORTHODOX COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY N= 53 P= .0331 R= .2900

RECENT NATIONAL INDEPENDENCE N= 53 P= .0331 R= .2900

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 53 P= .0017 R= .4300

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